

1648

RAW SEQUENCE LISTING

DATE: 09/14/2000

PATENT APPLICATION: US/09/514,245

TIME: 10:30:19

Input Set : A:\JESTIN.txt

Output Set: N:\CRF3\09142000\I514245.raw

ENTERED

3 <110> APPLICANT: JESTIN, Andre
4 ALBINA, Emanuel
5 Le CANN, Pierre
6 BLANCHARD, Phillipe
7 HUTET, Evelyne
8 ARNAULD, Claire
9 TRUONG, Catherine
10 MAHE, Dominique
11 CARIOLET, Roland
12 MADEC, Francois
14 <120> TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS DISEASE (PWD)
16 <130> FILE REFERENCE: 065691/0176
18 <140> CURRENT APPLICATION NUMBER: US 09/514,245
19 <141> CURRENT FILING DATE: 2000-02-28
21 <150> PRIOR APPLICATION NUMBER: FR 97/15396
22 <151> PRIOR FILING DATE: 1997-12-05
24 <160> NUMBER OF SEQ ID NOS: 170
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1759
30 <212> TYPE: DNA
31 <213> ORGANISM: Type A PWD circovirus
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195 Thr Ser Ala Leu Arg Gln Arg Gln His Leu Gly Ser Val Ser Glu Asn

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196	1	5	10	15	
198	gcc aag caa gaa aag cgg ccc gca acc cca taa gag gtg ggt gtt cac				96
199	Ala Lys Gln Glu Lys Arg Pro Ala Thr Pro			Glu Val Gly Val His	
200		20	25	30	
202	cct taataa tcc ttc cga gga gga gaa aaa caa aat acg gga gct tcc				144
203	Pro	Ser Phe Arg Gly Gly Glu Lys Gln Asn Thr Gly Ala Ser			
204		35	40	45	
206	aat ctc cct ttt tga tta ttt tgt ttg tgg cga gga agg ttt gga aga				192
207	Asn Leu Pro Phe	Leu Phe Cys Leu Trp Arg Gly Arg Phe Gly Arg			
208		50	55	60	
210	ggg tag aac tcc tca cct cca ggg gtt tgc gaa ttt tgc taa gaa gca				240
211	Gly	Asn Ser Ser Pro Pro Gly Val Cys Glu Phe Cys		Glu Ala	
212		65	70		
214	gac ttt taa caa ggt gaa gtg gta ttt tgg tgc ccg ctg cca cat cga				288
215	Asp Phe	Gln Gly Glu Val Val Phe Trp Cys Pro Leu Pro His Arg			
216	75	80	85		
218	gaa agc gaa agg aac cga cca gca gaa taa aga ata ctg cag taa aga				336
219	Glu Ser Glu Arg Asn Arg Pro Ala Glu		Arg Ile Leu Gln	Arg	
220	90	95	100		
222	agg cca cat act tat cga gtg tgg agc tcc gcg gaa cca ggg gaa gcg				384
223	Arg Pro His Thr Tyr Arg Val Trp Ser Ser Ala Glu Pro Gly Glu Ala				
224	105	110	115		
226	cag cga cct gtc tac tgc tgt gag tac cct ttt gga gac ggg gtc ttt				432
227	Gln Arg Pro Val Tyr Cys Cys Glu Tyr Pro Phe Gly Asp Gly Val Phe				
228	120	125	130	135	
230	ggt gac tgt agc cga gca gtt tcc tgt aac gta tgt gag aaa ttt ccg				480
231	Gly Asp Cys Ser Arg Ala Val Ser Cys Asn Val Cys Glu Lys Phe Pro				
232		140	145	150	
234	cgg gct ggc tga act ttt gaa agt gag cgg gaa gat gca gaa gcg tga				528
235	Arg Ala Gly	Thr Phe Glu Ser Glu Arg Glu Asp Ala Glu Ala			
236		155	160	165	
238	ttg gaa gac agc tgt aca cgt cat agt ggg ccc gcc cgg ttg tgg gaa				576
239	Leu Glu Asp Ser Cys Thr Arg His Ser Gly Pro Ala Arg Leu Trp Glu				
240		170	175	180	
242	gag cca gtg ggc ccg taa ttt tgc tga gcc tag gga cac cta ctg gaa				624
243	Glu Pro Val Gly Pro	Phe Cys	Ala	Gly His Leu Leu Glu	
244		185	190		
246	gcc tagtag aaa taa gtg gtg gga tgg ata tca tgg aga aga agt tgt				672
247	Ala	Lys	Val Val Gly Trp Ile Ser Trp Arg Arg Ser Cys		
248	195	200	205		
250	tgt ttt gga tga ttt tta tgg ctg gtt acc ttg gga tga tct act gag				720
251	Cys Phe Gly	Phe Leu Trp Leu Val Thr Leu Gly		Ser Thr Glu	
252		210	215	220	
254	act gtg tga ccg gta tcc att gac tgt aga gac taa agg ggg tac tgt				768
255	Thr Val	Pro Val Ser Ile Asp Cys Arg Asp		Arg Gly Tyr Cys	
256		225	230	235	
258	tcc ttt ttt ggc ccg cag tat ttt gat tac cag caa tca ggc ccc cca				816
259	Ser Phe Phe Gly Pro Gln Tyr Phe Asp Tyr Gln Gln Ser Gly Pro Pro				
260		240	245	250	

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262	gga atg gta ctc ctc aac tgc tgt ccc agc tgt aga agc tct cta tcg	864
263	Gly Met Val Leu Leu Asn Cys Cys Pro Ser Cys Arg Ser Ser Leu Ser	
264	255 260 265	
266	gag gat tac tac ttt gca att ttg gaa gac tgc tgg aga aca atc cac	912
267	Glu Asp Tyr Tyr Phe Ala Ile Leu Glu Asp Cys Trp Arg Thr Ile His	
268	270 275 280	
270	gga ggt acc cga agg ccg att tga agc agt gga ccc acc ctg tgc cct	960
271	Gly Gly Thr Arg Arg Pro Ile Ser Ser Gly Pro Thr Leu Cys Pro	
272	285 290 295	
274	ttt ccc ata taa aat aaa tta ctg agt ctt ttt tgt tat cac atc gta	1008
275	Phe Pro Ile Asn Lys Leu Leu Ser Leu Phe Cys Tyr His Ile Val	
276	300 305 310	
278	atg gtt ttt att ttt att cat tta gag ggt ctt tca gga taa att ctc	1056
279	Met Val Phe Ile Phe Ile His Leu Glu Gly Leu Ser Gly Ile Leu	
280	315 320 325	
282	tga att gta cat aaa tag tca acc tta cca cat aat ttt ggg ctg tgg	1104
283	Ile Val His Lys Ser Thr Leu Pro His Asn Phe Gly Leu Trp	
284	330 335 340	
286	ttg cat ttt gga gcg cat agc cca ggc ctg tgt gct cga cat tgg tgt	1152
287	Leu His Phe Gly Ala His Ser Pro Gly Leu Cys Ala Arg His Trp Cys	
288	345 350 355	
290	ggg tat tta aat gga gcc aca gct ggt ttc ttt tat tat ttg gct gga	1200
291	Gly Tyr Leu Asn Gly Ala Thr Ala Gly Phe Phe Tyr Tyr Leu Ala Gly	
292	360 365 370	
294	acc aat caa ttg ttt ggt cta gct ctg gtt tgg ggg tga agt acc tgg	1248
295	Thr Asn Gln Leu Phe Gly Leu Ala Leu Val Trp Gly Ser Thr Trp	
296	375 380 385	
298	agt ggt agg taa agg gct gcc tta tgg tgt ggc ggg agg agt agt taa	1296
299	Ser Gly Arg Arg Ala Leu Trp Cys Gly Gly Arg Ser Ser	
300	390 395 400	
302	tat agg ggt cat agg cca agt tgg tgg agg ggg tta caa agt tgg cat	1344
303	Tyr Arg Gly His Arg Pro Ser Trp Trp Arg Gly Leu Gln Ser Trp His	
304	405 410 415	
306	cca aga taa caa cag tgg acc caa cac ctc ttt gat tag agg tga tgg	1392
307	Pro Arg Gln Gln Trp Thr Gln His Leu Phe Asp Arg Trp	
308	420 425 430	
310	ggt ctc tgg ggt aaa att cat att tag cct ttc taa tac ggt agt att	1440
311	Gly Leu Trp Gly Lys Ile His Ile Pro Phe Tyr Gly Ser Ile	
312	435 440 445	
314	gga aag gta ggg gta ggg ggt tgg tgc cgc ctg agg ggg gga gga act	1488
315	Gly Lys Val Gly Val Gly Gly Trp Cys Arg Leu Arg Gly Gly Gly Thr	
316	450 455 460	
318	ggc cga tgt tga atc tca gct cgt taa cat tcc aag atg gct gcg agt	1536
319	Gly Arg Cys Ile Ser Ala Arg His Ser Lys Met Ala Ala Ser	
320	465 470 475	
322	gtc ctc ctc tta tgg tga gta caa att ctc tag aaa ggc ggg aat tga	1584
323	Val Leu Leu Leu Trp Val Gln Ile Leu Lys Gly Gly Asn	
324	480 485	
326	aga tac ccg tct ttc ggc gcc atc tgt aac ggt ttc tga agg cgg ggt	1632

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